

JANE'S DEFENCE WEEKLY



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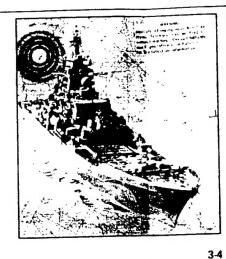
14 July 1984

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Front cover

The nuclear-powered battle cruiser Kirov, one of 150 Soviet warships whose capability has been severely restricted by the explosion at the Severomorsk missile storage facility (Picture: MoD (UK) Navy. Chart: US Defense Mapping Agencyl



THE WEEK

Severomorsk update Dagger system developed by Egypt and France by Christopher F Foss USA to field enhanced 105 mm gun New Sea Gnat decoy system US Army rapped over contract for 'unreliable' Hummer by Hugh Lucas US Army's fuel pipeline runs unguarded through city Finland confirms purchase of Soviet T-72 MBTs

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Soviets' Northern Fleet disabled . . . 'not viable' for six months

ON 13 MAY. The MISSILE STORAGE FACILITY at the Severomorsk naval base on the Kola Peninsula 1450 km north of Moscow, blew up in a series of vast explosions. As a result the 150 ship Northern Fleet, the most powerful in the Soviet Navy, will not be a viable to be for the next six months. It is also conservatively estimated that it will be two vears before the facility is fully operational again. Jane's Defence Weekiv gives the full details of the blast in this exclusive report by Derek Wood.

FOLLOWING THE INITIAL explosion, resultant fires and secondary explosions were not brought under control until 18 May. The smoke and dust from the inferno created a pall so thick and extensive that weather satellite observers reported it as "an unusual cloud formation". The explosion registered on some seismographs, and Western analysts at first thought that one or more nuclear warheads had been accidentally detonated.

When the smoke finally cleared, the heaviest damage was shown to be in three major areas of the Severomorsk facility:

• the stores area for most of the fleet's surface-to-air missiles and surface-tosurface weapons;

• the explosive components storage area containing all non-nuclear missile warheads, missile fuel and other sensitive components:

• the naval ammunition storage depot under 1 km from the SLBM storage facility.

A number of buildings and bunkers were obliterated entirely, a further 12 were heavily damaged and 12 storage sheds disappeared completely.

Approximately 580 of the fleet's stock of 900 SA-N-1 and SA-N-3 surface-to-air missiles were destroyed, together with nearly 320 of the 400 stored SS-N-3s and SS-N-12s and the complete stock of about 80 SS-N-22 surface-to-surface missiles. Some SA-N-6 and SA-N-7 missiles were also damaged. In addition, an indeterminate number of SS-N-19 missiles were destroyed. The SS-N-22 is a new 220 km range system which only became operational in 1983. The SA-N-3s cannot be fully replenished from stores as the production line for these missiles was shut down in the late 1970s.

Three of the six SLBM bunkers suffered surface blast and debris damage. The SS-N-17s for the 'Yankee' class submarines were not affected as they are stored in deep mountain vaults, and although the naval ammunition storage depot was severely damaged, the fleet's mine reserves, also stored there, were not impaired. If the missiles in the SLBM bunkers had gone up, the Soviet SSBN force in the Atlantic would have been crippled, as all the Soviet ballistic missile submarines which patrol off the east coast of the USA are based in or around Severomorsk.

Very large quantities of missile spare

parts were destroyed, while the force of the explosions was such that components which survived were severely jarred or worse, rendering them useless. At least 200 personnel were killed and a similar number wounded.

For the Northern Fleet, the destruction represents the greatest disaster to occur in the Soviet Navy since the Second World War. It means that the fleet cannot rearm its 148 surface ships once all the onboard missiles in the magazines have been expended. The vessels include the Kirov class nuclear powered guided missile cruisers (CGN), the 'Kresta -I and -II' class guided missile cruisers (CG), the new Sovremenny class guided missile destroyers (DDG), and the 'Mod Kashin', 'Kashin', 'Kanin' and 'Kotlin' classes of DDG.

The missiles could be replaced by dividing the stocks from another fleet, possibly the Baltic. Bringing them to Severomorsk would leave the supply line vulnerable to attack. On arrival, however, there would be nowhere to store, maintain or test them.

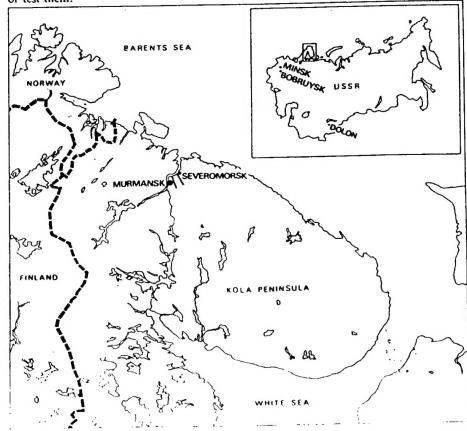
Six explosions in the past seven months

IN DECEMBER 1983, munitions exploded at Dolon airfield, 150 km south of Alma Ata. Subsequently, there were two more explosions elsewhere, details of which are not known. Ironically, the fourth incident occurred at Severomorsk Naval Air Station where a munitions depot blew up.

On 15 May, while the explosions and fires were still raging at the Severomorsk naval arsenal, there was a major blast at Bobruysk airfield, 138 km south-east of Minsk and the base of a Badgerequipped air-to-surface missile regiment of the Smolensk Air Army. Ten of the eleven ammunition storage buildings blew up and the administration and access control buildings were destroyed. There were large craters, the trees in the area were flattened and all

Finally, there are unconfirmed reports that, on 25 June, an explosion occurred at an ammunition depot at Schwerin, south of Wismar in East Germany. The reports suggest that windows were blown out within a 10 mile radius of the depot.

the foliage was destroyed by the fire.



The Soviet ships affected and their missiles

KIROV class



Displacement: 28 000 tons full load Weapons: 20 SS N-19 SSMs, 12 SA-N-6 launchers, 2 twin SA N-4 launchers, 1 twin SS N-14 launcher, 2 100 min guns, 8 30 min Galling guns, 2 quadruple 533 min torpedo tubes, 1 RBU 6020, 2 RBU 1000, 3 helicopters

'KRESTA-I' class



Displacement: 7600 tons full load Weapons: 2 twin SS-N-3 launchers, 2 twin SA-N-1 launchers; 2 twin 57 min guns; 2 quintuple 533 mm torpedo tubes, 2 RBU 6000; 2 RBU 1000, 1 helicopter

'KRESTA-II' class



Displacement: 7700 tons full load Weepons: 2 quadruple SS-N-14 launchers; 2 twin SA-N-3 launchers; 2 twin 57 mm guns; 4 30 mm Gatling guns, 2 quintuple 533 mm torpedo tubes; 2 RBU 6000; 2 RBU 1000; 1 helicopter

SOVREMENNY class



Displacement: 7800 tons full load Weapons: 2 quadruple SS-N-22 launchers; 2 SA-N-7 launchers; 2 twin 130 mm guns; 4 30 mm Gatling guns; 2 twin 533 mm torpedo tubes; 2 RBU 1000; 1 helicopter; mines

'KASHIN' class



Displacement: 4500 tons full load Weapons: 2 twin SA-N-1 launchers; 2 twin 76 mm guns; 1 quintuple 533 mm torpedo tubes; 2 RBU 6000; 2 RBU 1000

'KANIN' class



Displacement: 4750 tons full load Weapons: 1 twin SA-N-1 launcher; 2 quadruple 57 mm guns; 4 twin 30 mm runs, 2 quintuple 533 mm torpido tubes, 3 RBU 6000

'SAM-KOTLIN' class



Oisplacement: 3500 tons full load Weepons: 1 twin SA N 1 launcher, 1 twin 130 mm quin 1 quadruple 40 mm case 1 tyre 40 mm quin 1 quadruple case 2 tyre 40 mm quins 1 quadruple case 3 tyre 40 mm quins 1 quadruple SA-N-1



Role: Shipborne surface to air Service entry: 1961-2 Range: Approx 15 km Ceilling: 12 000 m

SA-N-3



Role: Shipborne surface-to-air Service entry: 1967 Range: 30 km Ceiling: 25 000 m

SA-N-E



Role: Shipborne surface to-air Service entry: 1979 Range: 60 km Ceilling: 30 000 m Speed: Mach 6

SA-N-7

Role: Shipborne surface-to-air

Range: 28 km Ceiling: 14 000 m Speed: Mach 3

SS-N-3



Role: Shipborne surface-to-surface Range: 180 km (theoretical max of 840 km with mid-course guidance)

Speed: Transonic

Warhead: 350 kilotons nuclear or 1000 kg. HE

SS-N-12



Role: Shipborne surface-to-surface Range: 550 km estimated Speed: Mach 2-5 Warhead: Nuclear or HE

SS-N-19



Role: Shipborne surface-to-surface Range: 445 km Warhead: Nuclear or HE

SS-N-22

Role: Shiphome surface to surface

Range 🥽 🕶 envestimisted

Strate assumptions the the transport of the explosions

Who takes the blame for Severomorsk?



▲ Soviet Navy C-in-C Admiral of the Fleet Sergei Gorshkov

THE Severomorsk disaster will not lead to the resignation or removal from office of the Soviet Navy's C-in-C, Admiral of the Fleet Sergei Gorshkov, nor of his Chief of Staff, AdmVNChernavin. According to JDW sources the blame

will be carried principally by local commanders.

The C-in-C of the Northern Fleet is Adm A P Mikhaylovskiy.

There will be no 'witch hunt' similar to that which led to the dismissal of the C-in-C Adm Kuznetsov, following the mining of the battleship *Novorossiysk* in Sevastopol



▲ Soviet Navy Chief of Staff Adm V N Chernavin

in 1955. In contrast, Adm Gorshkov survived a previous disaster, the loss of the destroyer Otvazhny in August 1974. She suffered an internal fire and explosion, and as many as 200 of her 300-strong crew

died, mostly from toxic smoke generated by plastic cable coverings.

Blast may have started in ready-use magazine

By Antony Preston

ACCORDING TO an ordnance expert, the highest standards of ordnance storage provide detailed instructions for every type of explosive. These regulations should stipulate not only the way in which each type of primary and secondary explosive and rocket propellant should be stored, but also the quantities appropriate for each category.

In long-term storage there would be no question of warheads, detonators and solid fuel propellant being kept together, although clearly at some stage the components must be brought together.

Few countries observe the highest standards. Descriptions of the Severomorsk disaster suggest that a large-scale ready-use magazine blew up, and that as too many munitions were stored too close together sympathetic detonations set off the entire complex. The equivalent installations in most NATO countries are well inland, and widely separated.

Even the number of personnel allowed in each building is strictly limited. Solid fuel propellant is unlikely to have been the prime cause of detonation, although if sufficient rocket motors were concentrated in a small area they could contribute to the magnitude of the explosions.

Jury Gets Morison Case After Harsh Summation

By George Lardner Jr. Washington Post Staff Writer

BALTIMORE, Oct. 16—A Federal prosecutor assailed former Navy intelligence analyst Samuel Loring Morison today as a "petty, vain, arrogant person" who put himself above the law in leaking classified photos taken by the secret KH-11 spy satellite.

Assistant U.S. Attorney Michael Schatzow made the charges in a stinging summation here this afternoon as Morison's espionage trial drew near a close. The jury began its deliberations just before 5 p.m., then adjourned for the night about

75 minutes later.

Defense attorney Robert Muse protested in his closing arguments that Morison "may have been wrong" in sending to a British magazine last year three KH-11 photos, showing the Soviet Union's first nuclear aircraft carrier under construction at a Black Sea shipyard. But Muse insisted that his client's conduct was far short of criminal.

He said the leaking of classified information was a common occurrence in Washington and suggested there was a strong whiff of "hypocrisy" in the government's singling out a low-level bureaucrat such as Morison for prosecution.

"If you stopped leaking in government, you wouldn't know anything," Muse told the jurors at one point. "In our government, daily, regularly, people are sending it out."

Schatzow denounced such talk as "an invitation to lawlessness."

"Mr. Muse says it's not a crime," the prosecutor said in scornful tones. "If Mr. Muse doesn't like the laws in this country, he can get on his soapbox and go down to Washington and change the law. What Mr. Muse is asking you to do," Schatzow said, pointing at Morison with a scowl, "is to do the same thing that that man did . . . ignore your oath."

Morison, a civilian analyst at the Naval Intelligence Support Center, is charged with of espionage and theft for sending the photos to Jane's Defence Weekly and for taking home portions of two other classified documents.

Muse depicted Morison as a loyal. American and Vietnam veteran whose overriding interest was in a strong Navy and whose primary motive was in alerting the American public to a growing Soviet threat on the high seas. He emphasized Morison's longstanding status as American editor of Jane's Fight-

ing Ships, a companion publication to Jane's Defence Weekly, and maintained that the information about the KH-11 that could be gleaned from the photos was already well-known to the Soviets.

The defense attorney also derided the idea that the documents found in Morison's apartment, dealing with a series of 1984 explosions at a Soviet naval ammuniton dump, were "potentially damaging" to the United States.

Muse acknowledged that Morison had sent a summary of the explosions incident to Jane's, but said there was "nothing in Jane's" that had not been mentioned in other publications.

Schatzow and fellow prosecutor John Douglass, however, argued that Morison must have known he was breaking the law because he "lied" repeatedly when first questioned in the summer of 1984.

Although U.S. District Court Judge Joseph H. Young has already ruled that Morison's motives were irrelevant, Schatzow voiced skepticism about the defense claims that Morison wanted to alert the American public through the medium of a British magazine where he was seeking a full-time job. "He didn't send it to CBS," Schatzow declared. "He didn't send it to The Washington Post. He sent it to Jane's."

The prosecutor maintained that a full reading of all the correspondence between Jane's executives and Morison over the years, as Muse urged the jury to undertake, would show the defendant as "a petty, vain, arrogant person. And that arrogance," Schatzow asserted, "is the key to this case in terms of what motivated him."

Both sides rested after the government called two final rebuttal witnesses this morning in an effort to counter the testimony of a retired CIA career officer, Roland S. Inlow, who turned out to be the strongest witness for the defense.

Inlow, who helped develop the KH-11 and for a decade headed the interagency committee in charge of U.S. spy satellites, said he saw "zero" damage from publication of the photos in Jane's—in light of what the Soviets already knew.

In rebuttal, retired Army Brig. Gen. Rutledge P. (Hap) Hazard, who also served as head of the National Photographic Interpretation Center, said he felt the disclosures gave the Soviets a fresh opportunity to review and modify any programs they might have had to frustrate KH-11 reconnaissance.

Single State of the State of th

Morison gets 2 years for leaking Navy photos to Jane's

By Rita McWilliams

BALTIMORE — Samuel Loring Morison, thought to be the first person in the United States convicted of espionage after leaking secret doc-uments to the press, was sentenced years in prison. A jury convicted Morison on two federal court yesterday to two

Morison's lawyers filed an appeal

counts of espionage and two counts of theft Oct. 17. He was tried on

charges of taking classified infor-mation from his office at the Naval

Intelligence Support Center in Suit-

satellite photographs of a new Soviet nuclear-powered aircraft carrier to yesterday. Jane's Defence Weekly, according to Morison had sent three KH-11

land, Md., and relaying the informa-tion to Jane's Publishing Co., a firm that documents military vehicles

and weapons. At the time he was a civilian intelligence analyst for the

Morison, 41, of Crofton, Md., faced a maximum penalty of 40 years in prison and a \$40,000 fine. U.S. District Court Judge Joseph H. Young sentenced him to two years in parole in eight months, according to prison on each count but said the sentences would run at the same time. Morison could be eligible for

Morison told investigators he acted out of patriotism because he thought the world should know the magnitude of the Soviet military

Morison did not testify during his trial, but yesterday he apologized for his actions. "I have made a mistake, and I have admitted that to everyone I know," said Morison, who is the grandson of the nation's Pulitzer

testimony in his six-day trial. Found in Morison's home were classified "Weekly Wire" reports detailing a 1984 explosion at a Soviet military installation at Severomorsk, the main ammunition depot for the Soviet Union's Northern Fleet, and a proper to Teach whether in the indicates memo to Jane's about the incident. working part-time as an editor Jane's Fighting Ships.

In a report to the court, Robert Muse, a lawyer for Morison, said, "Mr. Morison loved the Navy but simply became casual with regard to classified matters" because of his

Prize-winning naval historian, Sam-uel Eliot Morison. He said he knew that he was breaking the rules by sending the photos to Jane's, but that he did not know that he breaking the law. His superiors knew he was

work with Jane's.
Assistant U.S. Attorney Michael
Schatzow, who had asked that
Morison be fined \$10,000 and given
affour-year sentence, said he hoped

ment employees from handing out classified information.

that the U.S. government may have given China access to KH-11 photographs and technology.

Mr. Lynch said the Morison case probably will make other mid-level Union has said the conviction "will have a chilling effect" on public debate on national security matters.

Mark Lynch, an ACLU lawyer who represented Morison, said he has asked for a new trial on the grounds The American Civil Liberties

government employees less likely to leak information to the press, but by high-level probably would not stop many leaks government employ-

Mr. Muse said Morison had suf-fered enough because he had lost his job and his reputation had been tar-nished. "He's made a profound mis-take, he's paid a profound price," Mr.

Muse said.

Mr. Muse also said Morison had leaked the KH-11 photographs to show the world that the Soviet Union was building up its military. "He lives and breathes patriotism," Mr. Muse said. "I tell you he loves his

country and would never hurt it."

But Mr. Schatzow said Morison had simply been arrogant, and trying to live up to reputation of his famous grandfather.

More national news: Page 4D

nviction upheld in leak of spy phot WASH TIMES - 5 POR SY

eny photographs of a Soviet ship to a mer intelligence analyst who gave the espionage and theft of govern-ment property convictions of a foreral appeals court upheld yesterday RICHMOND, Va. (AP) — A fed-

would intimidate low-level governonage prosecution violated Morison's right to free speech and superiors. ment employees from leaking information that would embarrass their The defense also said the espi-

nize him from responsibility for his other personal gain, will not immuwould be to convert the First criminal act. To use the First it to the press, whether for money or ument in order that he may deliver mere fact that one has stolen a doc-Amendment into a warrant for Amendment for such a purpose thievery." But the judges concluded: "The

a rehearing before the full court or \$100,000 appeal bond, his attorney and had not decided whether to seek Mark Lynch, said yesterday from his had not seen the 4th Circuit's opinion Washington office. Mr. Lynch said he Morison remains free on a

a review by the U.S. Supreme Court. The Wall Street Journal and the naorganizations — including The New York Times, The Washington Post, the press guarantees, several news tion's free speech and freedom of raised questions about the Constitu-Because Morison's prosecution

other publications and news organizations. Jane's on Aug. 11, 1984, and later by works — filed briefs in the case. The photos were published by

tion's three major television net-

ter in Suitland, also was convicted of the Naval Intelligence Support Cen-Soviet Union's northern fleet. the main ammunition depot for the May 1984 explosion at Severomorsk, ment documents that described a the theft of the photos and govern-Morison, a civilian employee of

more. Judge Joseph H. Young of Baltiyears in prison by U.S. District Morison was sentenced to two

> ployed by the Navy. work for the publication while emjob with Jane's after doing part-time leaked the photos to get a full-time worked. They also said the Soviets how a U.S. spy satellite because the photographs revealed to tions endangered national security Prosecutors said Morison's ac-

ations manual to a Soviet agent. already from a former CIA official's Soviets nothing they had not learned 1978 sale of the spy satellite's operand that the photographs showed the public about a Soviet naval buildup their client was trying to educate the Defense attorneys contended

ment operations." "the security of sensitive governequally important public interest, graphs were released threatened an ests in the case were significant, but said the way in which the photoagreed that First Amendment inter-Judge J. Harvie Wilkinson III

Morison

THE WASHINGT THURSDAY, OCTOBER 10, 1985 THE WASHINGT THE Bought by Soviets, U.S. Officials Say ETestimony Maintains That Publication of Photos Was Damaging

By George Lardner dr.

Washington Pest Staff Writer

BALTIMORE, Oct. 9—The top
Secret KH-11 spy satellite is still
operating just as it was supposed to
work when a Soviet agent bought
in the stofficial manual from a CIA officer
from Athens 7½ years ago, it was disclosed in federal court here today.

This confirmation came from a
government prosecutor, with elabororations from a high-ranking CIA
pofficial, at the espionage trial of forpmer Navy intelligence analyst SamAll Loring Morison on charges of closures to Jane's Defence Weekly as "potentially" damaging to the helpful to the Soviets. United States and "potentially"

the original 1976 manual that was sold to the KGB two years later. out tiny details from distances of hundreds of miles, were set out in ties, including its ability to single tures about the KH-11's capabilithat could be gleaned from the picacknowledged that all the details fense lawyer Mark Lynch, Hineman Under cross-examination by de-

ellite's capabilities without "concould not have been sure of the sattos of the nuclear carrier in the Black Sea shipyard. firming evidence," such as the pho-But he testified that the Soviets

computer-enhanced KH-11

director for science and technology

Richard E. Hineman, deputy CIA

British magazine last year. leaking three KH-11 photos to a uel Loring Morison on charges of

> away as 504 miles, Hineman dison a slanting angle and from as far rier under construction, were taken nuclear-powered Soviet aircraft carphotos published in Jane's, showing a closed. Surface-to-air missile sites a seat in Baltimore. Young observed, of watching the "the Colts play in Indianapolis" from and much smaller details were plainy visible. It was the equivalent, as S. District Court Judge Joseph H.

confirmed, for instance, that a 1981 shot published in the Dec. 14, 1981 elations about the KH-11. Hineman unprecedented series of official revpionage trial here amounted to an menskoye airfield near Moscow had The testimony at Morison's es-

> new swing wing Blackjack bomber.
> The CIA official also indicated days earlier, on Nov. 25. It showed three Soviet aircraft, one of them a

THE WASHINGTON POST

itary targets for early warning pur-poses," and not simply to verify that the KH-11, which transmits electronic images back to earth in arms control agreements. "near real time," usually a matter of seconds, is used "against active mil-

a trial that contained only vague allusions to what the Russians had the KH-11 manual to the Russians, 1978 to 40 years in prison, but after William Kampiles, was sentenced in The young CIA official who sold

erage capacity," the quality of photographs, its timeliness, and its tions of the satellite system's "cov-Hineman, by contrast, said the document included detailed descripneman added the KH-11 "turned out" system" since it was written before for and hoped-for capabilities of the the U.S. intelligence community. He responsiveness to assignments from the satellite became operational. Hisaid the manual set out the "planned-

just as planned. government prosecutor

> describes the system as it is operknowledge that the [1976] Michael Schatzow: manual

were left behind in the abortive 1980 whole series of KH-11 photos that Aviation Week photo and from a firmation could have come from the examination that much the same conin a magazine sold on the streets. quently published by Iranian students tages in Tehran. They were subsemission to rescue the American hos-Hineman conceded under cross-

so frequently on such slow-moving know that the system was still op-erating in 1984 and being targeted named "Black Com II." projects as the aircraft carrier codetion, however, that it was still potentially helpful to the Soviets to The CIA official took the posi-

poweriess to prevent. already know and are still apparently that the pictures published in Jane's told the Russians nothing they didn't Morison's lawyers are contending

of Jane's Fighting Ships since 1976, val Intelligence Support Center in Suitland, had official approval for his part-time job as American editor Morison, who worked at the Na-

sor at the NISC, said, "I felt that it according to some testimony. But John R. Lewis, Morison's supervilargely because of his difficulties with Lewis that Morison had been NISC facilities for the work. It was was immoral" for Morison to use tos in the summer of 1984. when he sent them the KH-11 phohoping for a full-time job with Jane's

them to the magazine in a statement Oct. 1, 1984, arrest. tive Service immediately after to the FBI and the Naval Investigafrom a colleague's desk and mailing Morison told of taking the pictures his

said he informed Morison in the going on on the other side." lic should be made aware of what is in which Morison said that "the pubshown a letter to a Jane's executive Oct. 1, 1984, interview that scrutiny of his typewriter ribbon had son's statements to the jury. the stand today to recount Mori-NIS agent David W. Swindle took

told him "you hit it" and that "this was the reason he stole the classiied photos and mailed them to At that, Swindle said, Morison

Morison Guilty of Spying, Policy of Spying, Policy of Spying **Stealing Navy Documents**

1st Espionage Conviction for Press Leak

By George Lardner Jr. Washington Post Staff Writer

BALTIMORE, Oct. 17-A federal court jury here found former Navy intelligence analyst Samuel Loring Morison guilty today of espionage and theft for leaking three spy satellite photographs that were classified secret to a British mag-

Morison, the 40-year-old grandson of the late famed naval historian Samuel Eliot Morison, also was convicted on separate espionage and theft charges for taking portions of two other Navy documents, both classified secret, and keeping them in an envelope at his Crofton, Md., apartment.

It was the first time that anyone has been convicted under the espionage statute for leaking docu-

ments "relating to the national defense" to the press. Congress enacted the law in 1917.

Morison could be sentenced to up to 10 years in prison and a \$10,000 fine on each of the four counts. U.S. District Judge Joseph H. Young said he will pass sentence on Nov. 25, and he released Morison on the same \$100,000 bond posted for him last year.

Morison stood somberly at the defense table, looking disappointed as he heard the verdicts, and later left the courthouse without commenting.

"He can't say anything," one of his attorneys, Mark H. Lynch of the American Civil Liberties Union, said. "There's a sentencing proceeding pending that's very sensi-



SAMUEL LORING MORISON ... could face 10 years in prison

Lynch said the verdict will be appealed. ACLU officials have contended that a successful prosecution in the Morison case poses a grave danger to freedom of the press, at least insofar as reporting on national security matters is con-

See MORISON, A11, Col. 1

Health Officials

THE WASHINGTON POST

Morison Found Guilty Of Espionage, Theft

MORISON, From A1

The chief prosecutor in the case, Assistant U.S. Attorney Michael Schatzow, took sharp exception to such complaints and accused the ACLU of an "orchestrated campaign" dating to last year to "try this case in the newspapers."

"I don't think it means something about reporters waking up with subpoenas in their hands in the morning," Schatzow said after the verdict. "That's not going to happen. That's ludicrous.

The prosecutor said that he hopes the case will have a deterrent

Certainly, I would hope that people who are tempted to give out in an unauthorized fashion information relating to the national defense will

stop doing it," Schatzow said.
"It may be true," he said, "that if people with access to classified information follow the rules, then the press won't receive what you refer to as leaks. That's different from going after the press.

The ACLU has argued that a conviction, if sustained on appeal, could give the Reagan administration a working version of Britain's Official Secrets Act, a law that makes it a crime to disclose any government information without proper author-

Under the prosecution's theory, government officials would be violating the espionage and theft statutes for leaking information "relating to the national defense" and, by that same theory, members of the press would be violating those same laws in keeping the information.

Schatzow emphasized that neither Jane's Defence Weekly, to whom Morison provided the photographs taken by the KH-11 reconnaissance satellite last year, nor any of the other news organizations that reprinted the pictures were in-

"Nobody prosecuted Jane's," Schatzow said. "Nobody prosecuted The Washington Post Nobody prosecuted CBS. Nobody prosecuted AP [the Associated Press]

"In my view, this was a case about a fellow who worked for the government, who had a top secret clearance, who knew precisely what he was authorized to do and not authorized to do and who for his own venal purposes abused his position and violated his oath," Schatzow said.

The seven-day trial began after months of legal skirmishes, most of them ending in victories for the prosecution.

Citing congressional debates in 1917 and when the law was amended in 1950, Morison's lawyers claimed that the sections of the espionage statute at issue were meant to apply only in a clandestine

setting, to people like "spies and saboteurs," and not to disclosures

But Judge Young said it was "conceivable that Congress, in 1950 when the statute was amended, would have considered a person who 'leaked' national security information to the press a 'saboteur' or one who would weaken the internal security of the nation, and thus subject to prosecution.'

Defense lawyers tried to portray Morison as a patriotic American who wanted to alert the public to growing Soviet naval power, but the judge ruled that his motives were irrelevant.

All the government had to establish, Young held, was that Morison willfully transmitted photographs and documents "relating to the national defense" to someone "not entitled to receive" them.

By the time both sides rested, there was no dispute over the facts, only whether they amounted to criminal conduct.

The testimony showed that Morison took the three KH-11 photographs from an absent colleague's desk at Naval Intelligence Support Center headquarters in Suitland sometime in late July 1984, cut the "secret" markings from them and had them mailed to Jane's.

The magazine used the photographs for a cover story about construction of a Soviet nuclear aircraft carrier in its Aug. 11, 1984, edition.

FBI analysis of the typewriter ribbon Morison used at work showed that he had been corresponding with Jane's and, in fact, had been hoping for a full-time job with the magazine.

Morison had been the U.S. editor

for Jane's Fighting Ships sinc mid-1970s and had been at lo heads for months with his boss, John R. Lewis, who sa thought it "immoral" for Moris use NISC facilities for the and once told him not to use "unclassified data available v this command."

Before he sent off the 1 graphs, it turned out, Moriso had sent Jane's a rundown on ries of devastating explosion: Soviet naval ammunition del Severomorsk on the Barents Jane's Defence Weekly editor ek Wood had a \$300 check s him for that and other contrib in preceding months.

Morison was arrested O

1984, after the head of Britis itary intelligence had retrieve photographs from Jane's an turned out to have Mor thumbprint. A search of his ton, Md., apartment turned u tions of two so-called Weekly that detailed the damage de Severomorsk as revealed by ellite imagery.

With all that beyond disput trial boiled down to two key tions. The first was whether information about the KH-1 ellite system that could be g from the photographs an Weekly Wires was still that "o held" in light of past leaks.

The jurors also were asl decide whether disclosure, a light of past leaks, would cautential" damage to the States or "potential" advantage foreign power.

The jury delivered its shortly before 3 p.m., consix hours of deliberations.



Photos Did No Damage, Ex-CIA Official Testifies

Morison Case Focuses on Satellite Pictures

By George Lardner Jr. Washington Post Staff Writer

BALTIMORE, Oct. 15—A retired CIA veteran who once headed the interagency committee in charge of spy satellites said yesterday he saw "zero" damage from publication of three KH-11 photos last year in a British magazine.

Called as a defense witness at the espionage trial of Samuel Loring Morison, former CIA official Roland S. Inlow repeatedly and flatly disputed the prosecution's contentions that the disclosures could have given the Soviets important tips about U.S. intelligence-gathering capabil-

ities and priorities.

Morison, a civilian analyst at the Naval Intelligence Support Center, is charged with espionage and theft in the leaking of three photos of a Soviet nuclear aircraft carrier under construction to Jane's Defence Weekly in hopes of securing a full-time job there. His defense, constricted by rulings from the bench, tried to show that information about the KH-11, even though classified secret, was not "closely held" and that disclosure of the photos posed no danger to the nation.

Government prosecutor Michael Schatzow sought repeatedly to get Inlow to concede that Jane's August 1984 publication of the photos could at least have prompted the Soviets to take "countermeasures" against such satellite reconnaissance.

Inlow, who headed the U.S. intelligence community's Committee on Imagery Requirements and Exploitation (COMIREX) for 10 years, responded with a soft-voiced lecture.

"The Soviet Union has a very good intelligence capability, very good analysts," he said. The countermeasures they take, Inlow said, "in my judgment, simply do not hinge on something so trivial or haphazard or chancy a thing as the appearance of these photographs in the western press."

Inlow said he was only mildly surprised when he saw two of the pictures of the 75,000-ton Soviet carrier republished in Aviation Week.

"My reaction was that somebody had decided to release these photographs," he recalled. "I was somewhat surprised at that. But in all honesty, my reaction was much more 'ho-hum' than 'oh, my God.'"

COMIREX, which Inlow headed from 1969 to 1979, decides what targets the KH-11 and other spy satellites should photograph and what agencies should get which photos to analyze. He directed the so-called "damage assessment" of CIA officer William Kampiles' 1978 sale of the entire KH-11 operations manual to a KGB agent for \$3,000.

According to Inlow, the manual told the Soviets all they needed to know about the KH-11's technology. The 1984 photos, he suggested, could have hurt the United States only on two other scores: if the Soviets had been imprudent enough to assume that the satellites weren't working or if they had been surprised that it had been focused on the shipyard, a "very routine and mundane" target to which the KH-11 has "daily access".

has "daily access."

"If they think it important to deny our imaging of an installation such as this, they will do so . . . independent of these three photographs," Inlow said. He concluded there was "zero" damage on all three scores. "Zero plus zero," he added, "is zero."

Other testimony dealt with companion espionage and theft counts stemming from Morison's taking home portions of two classified documents dealing with explosions at the main ammunition depot for the Soviet Union's Northern Fleet.

One witness, David R. Huff, who used to work with Morison at NISC, said it was "common practice to carry home" various papers one was working on. Another witness, former Washington Post reporter Scott Armstrong, said he had often received classified documents from government officials. Under the government's theory of the case, such activity would be a crime.

Defense lawyers then tried to call CBS television correspondent William Lynch and UPI reporter Richard C. Gross to confirm that stories they did in June 1984 about spy satellite information concerning the ammunition dump disaster came from government officials, but without naming the officials.

U.S. District Judge Joseph H.

U.S. District Judge Joseph H. Young said he respected the reporters' privilege not to name their sources, but held that this would put the prosecution at a disadvantage. He refused to allow it.

Espionage Trial Jurors Split for Several Ballots

Potential Impact Caused Spirited Debate

By George Lardner Jr.

BALTIMORE—The 12 jurors who found former Naval intelligence analyst Samuel Loring Morison guilty of espionage and theft here last week reached their verdict after several ballots and some spirited debate over the potential impact of his leaks of classified information.

Morison, 40, is the first American to be convicted under the espionage statute for providing information "relating to the national defense" to the media.

But one of the jurors said after the verdict that it would have made "a big difference for me" if U.S. District Court Judge Joseph H. Young had included in his final instructions an

explanation of the word "potential," an explanation that the judge had initially said he would provide.

"A crucial question left hanging as the case went to the jury was whether disclosure of the secret KH-11 spy satellite photos and other classified documents Morison was accused of stealing would have been "potentially" damaging to the United States.

Unknown to the jurors, Judge Young had informed prosecution and defense lawyers Tuesday evening he would instruct the jurors that "the potential must be real and not imagined." But he subsequently changed his mind and left the defense-proposed instruction out of his final charge to the jury late Wednesday.

The landmark case has touched off warnings from the American Civil Liberties Union that it could have a chilling effect on news reporting, especially in connection with national security matters.

The Justice Department, in turn, has dismissed as "nonsense" talk of a wave of repressive censorship-by-prosecution. But officials there refuse to rule out more indictments under the same statutes, given sufficient evidence. Neither the government officials who do the leaking, nor the news publications at the receiving end, these officials add, should consider themselves exempt.

Here in Baltimore, the jury of seven men and five women, most of them in their fifties and sixties, returned their decision Thursday afternoon after six hours of deliberations. But several seemed rejuctant when the court polled them individually.

. One, Evelyn Miller of Baltimore, remained silent when asked if she agreed with the verdict and had to be prodded by the judge to speak up before she said yes.

"There were two or three of us that had a real problem" [with the guilty verdict], one of the jurors, who asked not to be identified, said later. It took several ballots and some wrenching debate, the juror added, before the reluctant panelists made it unanimous. The conroversy in the jury room, as in the courtroom, centered on two key juestions, it was explained.

nuclear aircraft carrier under construction.

A civilian analyst at NISC since 1974, Morison also was found guilty of one count of espionage and one count of theft for taking home portions of two NISC "Weekly Wires," a sort of classified newsletter, dealing with a devastating series of explosions in May 1984 at Severomorsk, the main ammunition depot for the Soviet Union's Northern Fleet.

Morison, who for years had been the American editor of the authoritative military yearbook, Jane's Fighting Ships, had sent off a summary of the incident at Severomorsk to JDW in late June 1984.

But his dispatch to Jane's made no mention of the "Weekly Wires" or the fact that the information in them had been been gleaned from "satellite imagery." It was not until government witnesses at the trial began citing chapter and verse from the Wires that the Soviet Union was on notice of the "potential" value of these documents.

Some of the jurors contacted declined to discuss their deliberations.

James A. Frye, a retired manufacturing engineer from Glen Burnie, said he did not feel free to talk "until someone gives me the authority."

Lester L. Troup, a retired dairy farmer from Rockville, took exception to a reporter's inquiry.

"If you want to find out what happened in that room, you talk to Judge Young," Troup said. "I think you're invading my privacy if you try to find out what happened in that room. I think you're invading my privacy and the privacy of the 11 other people in that room."

Another juror said, however, that there was heavy debate over the two key issues. Told of the instruction about the meaning of "potential" damage the judge had said he would

The first was whether the information about the KH-11 satellite system was "closely held" in light of leaks dating to 1978.

The second was whether the disclosure of the documents Morison was accused of stealing—two of which never left his apartment—could have hurt the United States or helped a foreign power, again in

light of past leaks.

The Soviet KGB, the jurors were reminded frequently, had bought the KH-11 operations manual from a renegade CIA officer for \$3,000 in 1978, and other KH-11 photos had leaked out before.

Government witnesses insisted in response that the new disclosures could still have prompted the Soviets to take fresh "countermeasures" against KH-11 surveillance.

Against this backdrop, Morison was convicted of one count of espionage and one of theft for taking three KH-11 satellite photos from a colleague's desk at the Naval Intelligence Support Center in Suitland and sending them to Jane's Defence

give and then decided against, this juror paused and said, "That would have made a big difference for me."

Morison, the grandson of the U.S. Navy's foremost historian, the late Samuel Eliot Morison, will be sentenced Nov. 25. He could be sentenced to up to 10 years in prison and \$10,000 in fines on each count.

His attorneys have said they will appeal the conviction, and they have indicated that one of the grounds they plan to cite will be Young's decision to drop the "potential" damage instruction.

The controversy over the effect of the case on the media, mean-while, is far from settled. Under the government's theory of prosecution, anyone who "willfully" transmits photographs or documents "relating to the national defense" to someone not authorized to receive them is guilty of espionage, "no matter how laudable his motives."

In addition, under the theft statute as applied in the Morison case, it is not only a crime for a government official to take information worth more than \$100 without authorization, but also a crime for anyone to receive that information "with intent to convert it to his use or gain."

The ACLU's Washington director, Morton H. Halperin, contends that the biggest danger lies in in-

hibiting effects of the Morison ecution. "Every time a rep comes into a newsroom with mation relating to the nation fense, the question will be, 'A risking an indictment?'

"The reporter will call the tagon and they'll say, 'We vie information as closely held.' newspaper will then call its la and the lawyers will say, could put you in jail.' "

Halperin concluded that the is going to have "a chilling effe what reporters are prepare write and what their editor prepared to print."

The assistant attorney gene charge of the criminal division phen Trott, said in an interview the Justice Department is mindful of the First Amendmer of the legitimate interest [of the dia] in issues of public concern.

"The sense that this is posome program to pursue an O Secrets Act is a bunch of nonso Trott added. "There's a certain teria about what we're up to."

But beyond that, he said, laws will be enforced . . . I think it's at all helpful to whether we will or will not [against a publication]. Every or potential case will be revi on the basis of the facts."

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THE WASHINGT



ASSOCIATED PRES

Jurors say they convicted Naval intelligence analyst Samuel L. Morison after several ballots and debate over the potential impact of his leaks. Story, Page A24.

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FBI ARRESTS THO FOR SECURITY VIOLATIONS

WASHINGTON (UPI) THE FBI ANNOUNCED TUESDAY THE ARREST OF AN EAST. GERMAN NATIONAL FOR ALLEGEDLY TRYING TO OBTAIN CLASSIFIED MATERIAL FOR THE SOVIETS AND, INTANOTHER CASE, APPREHENSION OF AN AMERICAN ON CHARGES OF DISCEOSING CLASSIFIED PHOTOGRAPHS.

DETAILS NERE SKETCHY; BUT IN THE FIRST CASE, THE FBI SAID ALICE MICHELSON, 67, AN EAST GERMAN NATIONAL, WAS CHARGED WITH TRAVELING TO THE UNITED STATES FOR THE "SPECIFIC PURPOSE OF ACQUIRING SENSITIVE AND CLASSIFIED INFORMATION ON BEHALF OF THE SOVIET COMMITTEE FOR STATE SECURITY."

MICHELSON WAS ARRESTED MONDAY NIGHT AT KENNEDY INTERNATIONAL AIRPORT IN NEW YORK証

IN THE SECOND CASE, THE FBI AND THE NAVAL INVESTIGATION SERVICE ANNOUNCED THE ARREST OF SAMUEL LORING MORISON, AN ANALYST WITH THE NAVAL INTELLIGENCE SUPPORT CENTER AT SUITLAND, MD., ON CHARGES OF UNAUTHORIZED DISCLOSURE OF THREE CLASSIFIED PHOTOS PERTAINING TO NATIONAL DEFENSE.

MORISON WAS ARRESTED CATE MONDAY AT DULLES INTERNATIONAL AIRPORT,

ACCORDING TO THE FBILL

IN THE FIRST CASE THE FBI SAID MICHELSON WAS ARRESTED IN POSSESSION OF CLASSIFICED THEORNATION SHE ACQUIRED NEAR BALTIMORE LAST WEEK AND THAT CONCERNED TAN FBI INVESTIGATIONS

THE FBI DECLINED TO ELABORATE ON THE MATERIAL OR HOW MICHELSON OBTAINED IT. IF CONVICTED OF THE CHARGES, SHE WOULD FACE UP TO LIFE IMPRISONMENT

THE SECOND CASE INVOLVING MORISON INVOLVED THE TRANSMITTAL OF THREE CLASSIFIED SATELLITE PHOTOGRAPHS OF A SOVIET AIRCRAFT CARRIER UNDER CONSTRUCTION IN A BLACK SEA NAVAL SHIP YARD TO JANE'S DEFENSE WEEKLY. A BRITISH PUBLICATION! THE FBI SAID.

UNE OF THE PHOTOGRAPHS APPEARED IN ANCHUG. & ARTICLE INTHE

MORISON ALSO IS EMPLOYED BY AS A PART-TIME EDITOR FOR JONE'S FIGHTING SHIPS, ANOTHER BRITISH PUBLICATION THAT KEEPS TRACK OF NAVIES OF THE WORLD. IF CONVICTED, HE FACES UP TO 10 YEARS IN PRISON, ACCORDING TO THE FBI...

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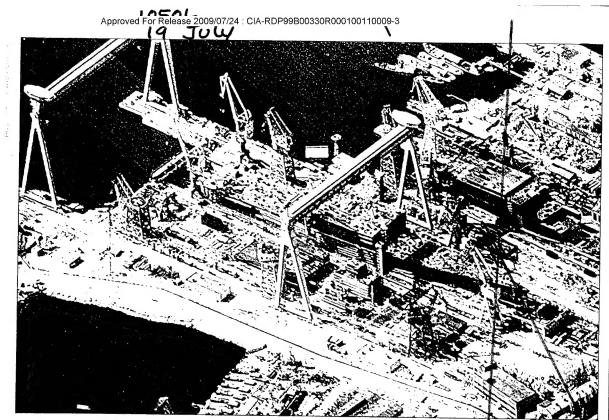
A POLICE SPOKESHAN SAID SINN FEIN PRESIDENT GERRY ADAMS AND THE OTHERS WERE RELEASED FIVE HOURS AFTER THEIR ARREST PENDING FURTHER INVESTIGATION AND ANY DECISION TO PRESS CHARGES "MILL NOT BE TAKEN FOR

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THE BRITISH AND U.S. GOVERNMENTS HAVE CHARGED THAT FUNDS COLLECTED IN THE UNITED STATES BY NORALD ARE USED TO BUY HEAPONS FOR THE IRA'S TERRORIST CAMPAIGN TO UNITE THE BRITISH PROVINCE OF NORTHERN TRELAND WITH THE IRESH REPUBLIC AND ESTABLISH A SOCIALIST SIGNED.

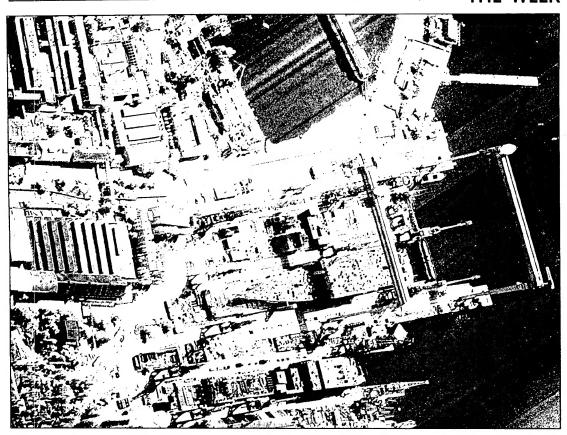
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▲ A more detailed photograph of the CVN dry dock. Analysts believe that the flight deck amidships has been completed, as has the hangar deck in both the bow and stern sections of the ship. The stern section, seen in the upper right-hand corner of the photograph, is due to leave her slipway in autumn 1985, floated out into the river stern first and then mated to the larger portion of the ship. It

is thought the carrier will have two aircraft lifts, board side, and will have 75 aircraft when oper fixed-wing counter-air and strike attack aircraft 1988/9 and enter full operational service som ne aft of the diand on the star-ional, with heavy emphasis on the ship will begin sea trials in time in 1994, it is thought

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Satellite pictures show Soviet CVN towering above Nikolaiev shipyard

THREE EXCLUSIVE PICTURES, taken by a satellite only last month, show the Soviet Navy's 75 000 ton nuclear-powered aircraft carrier, codenamed BLACK COM 2 by NATO, under construction at Nikolaiev shipyard 444 on the Black Sea.

The photographs on pp 172-3 also show an amphibious landing ship of the *Ivan Rogov* class under construction in a nearby dock, and the fourth 43 000 ton *Kiev* class conventional carrier, *Kharkov*, continuing to be fitted out.

The pictures clearly indicate that the CVN is being built in two parts: the major portion, measuring 264 m in length, lies beneath the shipyard's two giant overhead gantry cranes which have a combined lift of more than 1000 tons.

The stern section, 73 m in length, is under construction on a slipway alongside. Analysts believe that this section will be floated out stern first and mated to the remainder of the carrier by September/October 1985.

The amidships section of the flight deck is nearing completion. One of the pictures indicates the position of vertical silo-launched SAM missiles forward of the superstructure.

These silos were shown on the artist's impression of the completed CVN, apparently named *Kremlin*, published in *Jane's Defence Weekly* on 28 July. Despite this, it seems unlikely, given the Soviets' preference for heavy armament, that the carrier will not be fitted

with some SSM capability. The drawing also showed two deck lifts, three steam-operated catapults, and phased arrays, similar to the SPY 1A paired arrays on the US Navy's *Ticonderoga* class cruisers, on the superstructure.

Work on the ship began in January 1983 in the dock where the four *Kiev* class carriers were built. However, the pictures suggest that earlier reports that work on her has been speeded up are correct: clearly the CVN has been accorded priority by the C-in-C Soviet Navy, Admiral of the Fleet of the Soviet Union, Sergei Gorshkov. The pictures show railway lines carrying heavy material to the dockside and a profusion of heavylift cranes and scaffolding towers.

The latest estimate by JDW sources for sea trials for the CVN are 1988-9 with entry into full operational service around 1994. Tests with a full-scale CVN flight deck in concrete at an air base "in the Black Sea area" have been going on for three to four years, using arrester wires and an angled deck.

It seems likely that a navalised variant of the MiG-23 Flogger will initially operate off this carrier as a trial squadron, with the Sukhoi Su-27 Flanker all-weather counter-air fighter, carrying eight beyondvisual range AA-10 radar-homing missiles, on later ships of the class. It is believed that up to four and possibly eight strike carriers are planned, each with 75 aircraft on board, with the emphasis on fixedwing interceptor/attack aircraft, making them potentially formidable adversaries for the US Navy's Carrier Battle Groups.

JANE'S DEFENCE WEEKLY 11 AUGUST 1984

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